

APT70SM70J Information


For Reference Only

Part Number [APT70SM70J](#)
Manufacturer Microsemi Corporation
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description POWER MOSFET - SiC
Package SOT-227-4, miniBLOC
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


[Request a Quote](#)
Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


APT70SM70J Specifications

Manufacturer Part Number	APT70SM70J
Manufacturer	Microsemi Corporation
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	SOT-227-4, miniBLOC
Series	-
FET Type	N-Channel
Technology	SiCFET (Silicon Carbide)
Drain to Source Voltage (Vdss)	700V
Current - Continuous Drain (Id) @ 25°C	49A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	20V
Vgs(th) (Max) @ Id	2.5V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	125nC @ 20V
Input Capacitance (Ciss) (Max) @ Vds	-
Vgs (Max)	+25V, -10V
FET Feature	-
Power Dissipation (Max)	165W (Tc)
Rds On (Max) @ Id, Vgs	70 mOhm @ 32.5A, 20V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Chassis Mount
Supplier Device Package	SOT-227
Package / Case	SOT-227-4, miniBLOC

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APT70SM70J Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

APT70SM70J Payment Methods



APT70SM70J Shipping Methods



If you have any question about APT70SM70J, please do not hesitate to contact us!

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